Shipyard Capabilities Include:

✓ three (3) floating dry-docks
  ~ 16,000 ton, Captain Will
  ~ 2,800 ton, Willoughby III
  ~ 11,500 ton, Charles J

✓ one (1) marine railway

✓ eight (8) wetberths

✓ 1,000 MT Marine Travelift

~ Ten (10) dryberths

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A.N.A. SHIPYARD

A DIVISION OF EAST COAST REPAIR AND FABRICATION

Established in 1946, the A.N.A. shipyard is located at the sheltered mouth of the Western Branch of the Elizabeth River, close to the main harbor entrance. The yard specializes in in-house repairs of coastal and harbor vessels, as well as voyage repairs to ocean-going ships. Facilities include four marine railways with capacities up to 1,000 tons, a dockside 100-ton crane, and pierside accommodations for vessels up to 300-feet in length and 20-feet of draft.

The plant has 2,500 lineal feet of piers, mobile crane service and personnel berthing facilities. Compressed air is available at 6,500 cfm and 100 psi; potable water at 60 psi, salt water at 120 psi; shore power at 480, 240, 120 VAC and 120 VDC.

A.N.A. shipyard is a fully integrated shipyard with the capability of performing structural, mechanical and electrical repairs of all types. Special capabilities include fabrication of large steel and aluminum subassemblies; overhaul of electric motors, controllers and shipboard electrical systems; overhaul of propulsion systems and steering systems; optical alignment and kort nozzle repairs. In addition, the yard has a wide experience in wood and fiberglass construction and repair.

BAE SYSTEMS NORFOLK SHIP REPAIR

BAE Systems Norfolk Ship Repair, a division of BAE Systems Ship Repair, is a full-service shipyard on the Southern Branch of the Elizabeth River that has served Virginia’s ports in the maritime industry since 1915. An ISO 9001 certified company, BAE Systems Norfolk Ship Repair has enjoyed the reputation as the largest private-sector shipyard in South Hampton Roads and one of the largest ship repair facilities on the East Coast of the United States. In 2007, it earned a “Creating Excellence Award” in career development and technical education from the Commonwealth of Virginia for its robust and improved apprentice program, one of only a few in the region.
At present, BAE Systems Norfolk Ship Repair maintains a skilled workforce of approximately 1,500 people working in 20 diversified trade shops and departments. This workforce and state-of-the-art facilities, improved with over $70 million in capital investments since 1999, provide a comprehensive capability for ship repair, conversion and modernization, enabling the company to serve most of the world’s oceangoing vessels on site.

BAE Systems Norfolk Ship Repair has extensive crane service, four operational piers totaling over 3000-feet of berthing space, and two drydocks, including:

- The “Titan”, with a 52,534 long-ton lifting capacity, is one of the world’s largest and most modern floating steel drydocks. It measures 950-feet (290 meters) long, 192-feet (59 meters) wide and 160-feet (49 meters) between wingwalls. The Titan is moored to the east side of the 1,280-foot-long Pier 1, used to service ships as long as 1,200-feet.

- The “Old Dominion” is a steel drydock with a 14,000 long-ton lifting capacity, which is berthed at the north side of Pier 6. It measures 569-feet (173 meters) long, 122-feet (37 meters) wide and 99-feet (30 meters) between wingwalls.

The company also offers a full range of repair services for ships located away from the shipyard. Vessels that do not require entry into a repair facility, or have limited time to do so, can remain at their present location, and BAE Systems Norfolk Ship Repair’s mobile “ship repair teams” will travel to these vessels to perform the required services.

BAE Systems Norfolk Ship Repair is also able to leverage its ship maintenance capabilities in a variety of industrial conversion, repair and construction services. Specializing in industrial plant construction, repair and conversion, the company’s Industrial Conversion and Repair Division provides around-the-clock response to meet customer needs. Services are available 24 hours a day, seven days a week, throughout the United States.

Visit baesystems.com/shiprepair for more details.
Colonna’s Shipyard, Inc.

Colonna’s Shipyard is a full service ship repair facility located in Norfolk, Virginia. Founded in 1875, it is a family owned, private shipyard situated on the Eastern Branch of the Elizabeth River occupying more than 100 acres of land and is convenient to all port facilities and terminals in the Ports of Virginia. The company’s reputation is built on a long tradition of quality workmanship provided by its highly skilled workforce, outstanding facilities and solid management. The shipyard has water access to over three thousand (3,000)-feet of vessel/boat berthing space and lift capacity to accommodate all vessels up to 850-feet in length, 104-feet wide and depth of 28-feet.

The shipyard capabilities include three (3) floating dry-docks; 16,000 ton Captain Will, 2,800 ton Willoughby III, and 11,500 ton Charles J, one (1) marine railway, and eight (8) wetberths. Colonna’s is also home to the Nation’s largest mobile boat hoist, a 1,000 MT Marine Travelift. Designed for rapid response, the Travelift can provide the ultimate in shipyard efficiencies. The Travelift, in conjunction with new piers and infrastructure, can dryberth ten (10) vessels simultaneously.

Colonna’s Shipyard is proud of its time-honored reputation of integrity in the ship repair industry. One of Colonna’s most valuable assets is its skilled workforce representing the full spectrum of marine trades including highly skilled welders, shipfitters, electricians, pipfitters, inside machinists, outside machinists, corrosion control specialists, steel fabrication technicians, riggers and ship repair management teams.

The shipyard’s Down River Division will support ship repair needs anywhere in the world. All trades and necessary support equipment are ready to accomplish timely voyage repairs away from the shipyard. The shipyard’s production services are additionally supported by complete engineering, testing, and design capabilities.

For a full list of Colonna’s Shipyard capabilities, visit their website at:
collenaship.com
**Colonna’s Shipyard - Steel America**

Steel America, a division of Colonna’s Shipyard, Inc., is a large fabrication and heavy machine shop that specializes in custom projects and prides itself on its diverse capabilities, including a highly-skilled on-site machining team. The fabrication shop is approximately 34,000-sq. ft. and is home to a CNC Messer Cutting Machine with full beveling and scribing capabilities, a magnetic plate handling system, and automated welding equipment. The machine shop is roughly 47,000-sq. ft. and is home to a 90 ft. fully CNC lathe that holds 200-Tons between centers with a 12 ft. swing. The machine shop also is equipped with additional CNC lathes and milling capabilities. The on-site machining team is outfitted with a wide variety of tools; ranging from boring bars, to mill rails, and on-site welding equipment. Steel America can fabricate units up to 1,000-MT and transport them onto barges for delivery. For more information about Steel America and their capabilities, please visit steelamerica.net.

**Lyon Shipyard, Inc.**

Lyon Shipyard, Inc. is a full service ship repair facility providing timely and efficient service to commercial and government vessels since 1928. Commercial customers include tug and barge operators, dredging and marine construction contractors, ferry and cruise ship operators, research vessels and commercial fishing companies. Government customers include the U.S. Navy, U.S. Army, the Coast Guard, Military Sealift Command and the Maritime Administration.

Located on the Eastern Branch of the Elizabeth River, Lyon occupies approximately 1500 linear feet of waterfront providing pierside repairs for vessels up to 500-feet in length with supporting bulkhead staging and work areas. Three floating drydocks and three marine railways accommodate a variety of vessels with a lifting capacity up to 4900 long tons.
Well equipped shops are capable of precise work and experienced craftsmen provide a wide variety of skills including steel fabrication; machining; sheet metal fabrication; welding of various steel alloys, stainless steel and aluminum; surface preparation and painting; pipe fitting; ship fitting; machinery repairs; carpentry; electrical work; rigging; crane service and other specialized services as needed.

Lyons offers the same quality services to the industrial base through its Downriver Services and Industrial Services Divisions. We will bring the skilled workforce and our capabilities to you with the support of a full service shipyard.

Lyons’s Downriver Services division is a full service Marine Repair Contractor serving the US Navy, Military Sealift Command, Maritime Administration, USCG, NOAA and Commercial Ship Owners and operators worldwide. Let our mobile ship repair teams come to you. Lyon’s Industrial Services division applies our ship maintenance capabilities for industrial conversion, repairs and construction services. Both divisions offer services twenty four hours a day seven days a week.

Lyon stands ready to respond to your needs promptly with service available around the clock at our facility or yours. Call us at 757-622-4661 or visit our website at lyonshipyard.com.

MHI Ship Repair and Services

MHI has been involved in ship repair for over the past 50 years. Located in the main deep water harbor area, MHI services commercial vessels, oil tankers, Naval, Military Sealift Command, MARAD vessels and NATO vessels alike. As an ISO 9000 approved facility, MHI provides full ship repair services on an around-the-clock basis at either its new lay berth facility or off site. MHI’s mid town facility offers a 1,200-foot long pier with a 40-foot deep draft. Shore power, crane service, steam, potable water, fire protection, gases, phone lines, and project management office space is available.
MHI has a full complement of cross trained filter/welders, machinists, marine electricians and tank cleaning experts. MHI provides service to both hull and machinery and is experienced in electronic and automated systems. No vessel problem is too small or too large. MHI responds to inquiries world wide and has a staff and agency network committed to customer satisfaction. Our highly skilled workforce is an asset to any ship operator or owner. From components and subassemblies to deck machinery, MHI delivers.

Please visit us at www.MHI-shiprepair.com.

\[\text{NASSCO-Norfolk}\]

\textbf{A GENERAL DYNAMICS MARINE SYSTEMS COMPANY}

NASSCO-Norfolk specializes in marine and industrial engineering, fabrication and the planning and execution of major ship repair and modernization availabilities. The former Metro Machine Corporation and Earl Industries, LLC were acquired by San Diego-based General Dynamics NASSCO in 2011 and 2012, respectively, and consolidated into NASSCO-Norfolk in 2015.

NASSCO-Norfolk owns and operates two shipyards on the Elizabeth River. The Ligon Street shipyard in Norfolk is its headquarters. It is a 41-acre Master Ship Repair Agreement (MSRA) facility at the confluence of the Southern and Eastern branches of the Elizabeth River in Norfolk, Virginia. The facility consists of three piers with a maximum length of 1,117-feet, six berths, a 40,000 ton lift capacity floating dry dock that has been certified by both the American Bureau of Shipping (ABS) and the Naval Sea Systems Command (NAVSEA), and more than 60,000-sq. ft. of covered and environmentally controlled industrial trade shops.
The Ligon Street piers, berths and dry dock are served by an umbrella of five 22-ton tower cranes. The second shipyard, on Harper Avenue in Portsmouth, is situated on 60 acres of waterfront property located on Pinners Point. It is equipped with two 799-feet long concrete piers and one concrete wharf, as well as over 40,000-sq. ft of shop, laydown and storage area.

NASSCO-Norfolk is an ISO-9001 certified company that employs approximately 2,000 trades, administrative and management personnel. The company has earned a reputation for consistently completing piping, mechanical, electrical, structural, and marine coatings projects safely, on time and at competitive prices. NASSCO-Norfolk’s production workforce is experienced in all facets of ship repair, conversion and alteration. It provides the following services:

- Engineering services by a degreed engineering staff that covers mechanical, electrical, chemical, and ocean disciplines;
- Structural/pipefitting services including certified ASME and MIL-STD welding and NDE/NDT procedures and personnel, sheet metal fabrication and installation, fluid systems overhaul, and complete air conditioning and refrigeration capability;
- Mechanical services including marine diesel engine overhaul and maintenance, pump/valve overhaul, re-tubing of condensers and heat exchangers, bearing surface refurbishment, full rigging and lagging services;
• Master Integrated Schedule development and automated Work Integration services in support of ship availabilities that range from very simple (a few weeks) to highly complex e.g., several months’ duration, more than 50 organizations and trades, 50-100 key events/milestones and greater than 100,000 man-hours in scope;

• Electrical services including design, modifications, troubleshooting, repair and overhaul. The company possesses a unique, proven process for the in-place cleaning and refurbishment of electrical rotating equipment. Additionally, the company possesses experience with installation of joint mission command and communications systems on multiple ship platforms;

• Complete metal preservation services, including environmentally sound containment systems, abrasive blast (mineral grit and steel shot), UHP water blast, and application of all types of marine coatings. NASSCO-Norfolk operates a paint booth capable of painting items up to 40’x13’x15’ and a steel shot blast booth for up to 22’x8’x7’.

Since 1966, NASSCO-Norfolk has successfully executed hundreds of contracts for Government agencies, including in-yard overhaul availabilities for U.S. Navy, the Military Sealift Command and the U.S. Maritime Administration. The company is also well known as a provider of “down-river” ship repair and modernization services, having worked in virtually all private and public shipyards in the area, including the Norfolk Naval Shipyard in Portsmouth, and on-site at the Norfolk Naval Station and Joint Expeditionary Base Little Creek-Fort Story. In addition to the company’s Navy work, commercial marine customers have included shipbuilders, ship managers, and container and cargo ship operators. For a complete overview of NASSCO-Norfolk facilities and production capabilities, please visit the company at www.nassconorfolk.com.

Newport News Shipbuilding

For over 130 years, the ships built at Newport News Shipbuilding, like the American shipbuilders who built them, have served our nation in peace and war, in times of adversity and in times of abundance. The shipyard’s legacy of “Always Good Ships” includes the design, construction, overhaul and repair of more than 800 ships for the U.S. Navy and commercial customers.

Today, Newport News Shipbuilding, a division of Huntington Ingalls Industries, is the birthplace of the U.S. Navy’s nuclear fleet. The shipyard is the nation’s sole designer, builder and refueler of nuclear-powered aircraft carriers and one of only two companies capable of designing and building nuclear-powered submarines. Newport News Shipbuilding also provides fleet services for naval ships and has recently expanded its nuclear and manufacturing expertise into Department of Energy and alternative energy business ventures.

Located on more than 550 acres along two miles of waterfront in Newport News, Virginia, the Newport News shipyard employs more than 23,000 people, many of whom are third, fourth and fifth generation shipbuilders. It is the largest industrial employer in Virginia, and with more than 4,000 engineers, designers and technicians, is at the forefront of new ship technologies, specialized manufacturing capabilities and nuclear facility management.

The steel fabricating facilities include a fabrication shop covering 6.5 acres with automated steel handling and processing equipment. Some machines operate from direct input from the company’s computer system. Steel subassemblies are produced in an 11-acre steel production facility (SPF).

A land level ship construction area features a 130,000-sq. ft. module outfitting facility (MOF), and a 74,000-sq. ft. supplemental module outfitting facility (SMOF) was added in 2012. Other manufacturing facilities throughout the plant are equally expansive. The machine shops cover over 300,000-sq. ft. and contain more than 250 machines varying in size from small engraving machines to 42-foot boring mills. The 102,400-sq. ft. sheet metal facilities work metals from #22 gauge to 1/4-inch thick, and occasionally 1/2-inch thick. Equally extensive facilities are included in the plant for working all types of electrical and pipe work.

The 155,000-sq. ft. foundry is one of the largest in the United States. The foundry can pour steel up to 100,000 pounds, and can pour alloy steels (including HY-80 and HY-100), copper-nickel, aluminum, brass, and other non-ferrous alloys. Supporting the foundry is a 61,235-sq. ft. pattern wood shop. Large, complex patterns from this shop are used to produce castings for commercial and military ship customers. Newport News also offers forging and heat treating operations.
Plant facilities include the largest dry dock (Dry Dock No. 12) in the Western Hemisphere. This dock measures 2,173-feet long, 250-feet wide. Depth of water over the entrance sill is 32-feet, 7 inches. Removable intermediate gates can be placed in several positions in the dock, allowing both construction and repair work to be performed simultaneously.

With vast facilities and experienced shipbuilders, Newport News Shipbuilding has the skills and capabilities for every aspect of ship repair; from routine maintenance to extensive machinery and hull repairs.

Please visit our website at nns.huntingtingalls.com.

**Técnico Corporation**

Técnico Corporation is a fully-facilitated, employee owned, marine and industrial ship repair and services provider specializing in large-scale structural fabrication, alteration, and ship repair. Recognized as a quality leader within the industry, our services include: hull, mechanical and electrical (HM&E), structural, piping, electrical/electronic, habitability systems, honeycomb panel and joiner door manufacturing, modular ship construction, production engineering, paint and coating systems, scaffolding, and ship maintenance worldwide on U.S. Government and commercial vessels.

Founded 28 years ago to provide premier hull, mechanical, structural and electrical support services to the local Master Ship Repair yards in the Hampton Roads area, Técnico is a proud and successful graduate of the Small Business Administration’s 8(a) development program. Since 1990, we have grown from 30 employees to over 500. As an employee-owned company, ABR/MSRA holder, operating under an ISO 9001:2015-compliant
Quality Management System, we take pride in producing quality products, conducting business with integrity, and operating with the utmost regard for the safety and health of our employees, partners, and customers. Our employees have a stake in our success; an attitude that is evident in the quality of our work and customer responsiveness.

Headquartered in South Norfolk, our Chesapeake facility includes six major buildings and encompasses nearly four acres, including an 80,000-sq. ft. state-of-the-art habitability fabrication facility; 46,440-sq. ft. of GFE/GFM storage; 10,000-sq. ft. of office space; 76,000-sq. ft. warehouse/receiving; and 30,000-sq. ft. of shop space (machine, pipe, structural, sheetmetal, electrical, welding, paint, and rigging). We operate additional facilities along the East, Gulf and West Coasts including Philadelphia, Mayport, Mobile, Bremerton and San Diego.

Our steady growth has enabled Técnico to develop the ISO processes and procedures that support our ability to quickly and efficiently mobilize crews and material to provide professional marine and industrial services in ports around the world. Our customers include ship owners, major U.S. Shipyards, the U.S. Navy, Coast Guard, Military Sealift Command, Maritime Administration and commercial shipping organizations.

Please contact us for your fabrication, ship repair, or alteration needs at 757-545-4013 or visit our website at www.tecnicocorp.com.